

## **WHAT IS CLAIMED IS:**

1. An optical element module, comprising:
  - a casing;
  - 5       an optical element provided inside said casing;
  - a pipe which communicates the inside of said casing to the outside; and
  - a primary coated optical fiber which is inserted through said pipe and connected to said optical element.
- 10   2. The optical element module described in Claim 1, wherein an internal cavity of said optical element module is filled with a gel material.
3. The optical element module described in Claim 2, wherein the difference between the volume of said internal cavity of said optical element module and  
15   the volume of said gel material that occurs accompanying environmental temperature fluctuations is smaller than the volume of the space between said pipe and said primary coated optical fiber.